

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Currently Amended) A communication apparatus comprising:
 - a radio section that receives a radio signal to convert into a baseband signal;
 - a first baseband signal processor that ~~is reconfigurable to execute processing on the~~ executes baseband signal processing that is common among a plurality of radio communication systems;
 - a second baseband signal processor that executes baseband signal processing that is different among the plurality of radio communication systems; and
 - a reconfiguring section that reconfigures only the second baseband signal processor, ~~wherein the reconfiguring section reconfigures only a portion of the baseband signal processor, the portion executing operation processing different among a plurality~~ based on programming data of a new radio communication system upon switching of radio communication systems.

2. (Currently Amended) The communication apparatus according to claim 1, wherein the second baseband signal processor comprises:

a synchronization section that establishes synchronization of communications, and

a compensator that corrects amplitude or a phase of the baseband signal, ~~and the synchronization section and the compensator are reconfigurable.~~

3. (Currently Amended) The communication apparatus according to claim 2, wherein:

the second baseband signal processor comprises an FFT section that executes orthogonal transform on the baseband signal, and

the reconfiguring section reconfigures a processing portion of the FFT section, the processing portion varying with the number of items of data subjected to the orthogonal transform.

4. (Original) The communication apparatus according to claim 3, wherein the synchronization section determines synchronization timing using a baseband signal obtained by demodulating a signal mapped on a subcarrier by the orthogonal transform in the FFT section.

5. (Currently Amended) The communication apparatus according to claim 2, wherein:

the second baseband signal processor comprises a correlation section that executes correlation processing of the baseband signal, and

the reconfiguring section reconfigures a combination of operations in the correlation section.

6. (Original) The communication apparatus according to claim 5, wherein the synchronization section determines synchronization timing using a result of the correlation processing of the baseband signal in the correlation section.

7. (Currently Amended) The communication apparatus according to claim 1, wherein:

the second baseband signal processor comprises an error controller which performs error correction of the baseband signal or a retransmission request when the baseband signal has an error, and

the reconfiguring section reconfigures a processing portion of the error controller, the processing portion different among a plurality of error correction systems or error detection systems.

8. (Original) The communication apparatus according to claim 7, further comprising:

a storage section that stores a result of processing of the error controller, wherein

the reconfiguring section reconfigures connection with an output destination of content stored in the storage section.

9. (Currently Amended) The communication apparatus according to claim 1, wherein the reconfiguring section acquires information required for reconfiguration from the radio signal received in the radio section to reconfigure the second baseband signal processor.

10. (Currently Amended) The communication apparatus according to claim 1 8, further comprising:

an interface section that reads out data stored in the storage section, wherein

the reconfiguring section acquires information required for reconfiguration from the storage section via the interface section to reconfigure the second baseband signal processor.

11. (Currently Amended) The communication apparatus according to claim 1 8, further comprising:

an interface section that receives information required for reconfiguration, in wired connection, wherein

the reconfiguring section acquires the information required for reconfiguration from the storage section via the interface section to reconfigure the second baseband signal processor.

12. (Currently Amended) The communication apparatus according to claim 1 8, further comprising:

an interface section that receives information required for reconfiguration, in specific power-saving radio communications, wherein

the reconfiguring section acquires the information required for reconfiguration from the storage section via the interface section to reconfigure the second baseband signal processor.

13. (Currently Amended) The communication apparatus according to claim 1, further comprising:

a radio-section communication section that relays communications between the radio section and the first and second baseband signal processor processors; and

a CPU communication section that relays communications between the first and second baseband signal processor processors and the reconfiguring section, wherein

the second baseband signal processor is detachable.

14. (Currently Amended) The communication apparatus according to claim 13, further comprising:

an attaching/detaching detector that detects attaching/detaching of the second baseband signal processor; and

a first power source supplier which supplies power to the radio section, and when detaching of the second baseband signal processor is detected, halts supply of the power to the radio section.

15. (Currently Amended) The communication apparatus according to claim 1 13, further comprising:

a radio communication section that performs radio communications;

an application section that performs display, replay and edition of data of image, music and mail; and

a connector that relays communications between the radio communication section and the application section, wherein:

the radio communication section and the application section are separable,

the radio communication section comprises:

a radio-section communication section that relays communications between the radio section and the first and second baseband signal processor processors,

a CPU communication section that relays communications between the second baseband signal processor detachable and the reconfiguring section,

a first CPU, and

an application communication section that relays communications with the application section, and the application section comprises:

a call control communication section that relays communications with the radio communication section,

a separation detector that detects separation of the radio communication section, and

a second CPU that halts communications to the radio communication section when separation of the radio communication section is detected.

16. (Currently Amended) The communication apparatus according to claim ~~1~~ 13, further comprising:

a radio communication section that performs radio communications;

an application section that performs display, replay and edition of data of image, music and mail; and

a connector that relays communications between the radio communication section and the application section, wherein:

the radio communication section and the application section are separable,

the radio communication section comprises:

a radio-section communication section that relays communications between the radio section and the first and second baseband signal processor processors,

a CPU communication section that relays communications between the second baseband signal processor detachable and the reconfiguring section,

a first CPU,

an attaching/detaching detector that detects attaching/detaching of the second baseband signal processor,

a first power source supplier which supplies power to the radio section, and when detaching of the second baseband signal processor is detected, halts supply of the power to the radio section, and

an application communication section that relays communications with the application section, and the application section comprises:

a call control communication section that relays communications with the radio communication section,

a separation detector that detects separation of the radio communication section,

a second power source supplier which supplies power to the radio communication section, and when separation of the radio communication section is detected, halts supply of the power to the radio section, and

a second CPU that halts communications to the radio communication section when separation of the radio communication section is detected.

17. (Currently Amended) A reconfiguration method of a communication apparatus reconfiguration method, comprising:

a radio section that receives a radio signal to convert into a baseband signal;

a first baseband signal processor that executes baseband signal processing that is common among a plurality of radio communication systems; and

a second baseband signal processor that executes baseband signal processing that is different among the plurality of radio communication systems,

the reconfiguration method comprising:

downloading programming data of a second radio communication system in order to perform handover for switching to the second radio communication system during communication in a first radio communication system; and

reconfiguring only a portion of the communication apparatus that executes operation baseband signal processing different among a the plurality of radio communication systems based on the programming data ~~on processing of a baseband signal; receiving a radio signal to convert into the baseband signal; and executing the processing on the baseband signal.~~